Carrie Finno

List of Publications by Year
in descending order

97 papers	1,827 citations	279798 23 h-index	361022 35 g-index
104 all docs	104 docs citations	104 times ranked	1460 citing authors

#	Article	IF	Citations
1	Improved reference genome for the domestic horse increases assembly contiguity and composition. Communications Biology, 2018, 1, 197.	4.4	148
2	Developing a 670k genotyping array to tag ~2M SNPs across 24 horse breeds. BMC Genomics, 2017, 18, 565.	2.8	116
3	A Comparative Review of Vitamin E and Associated Equine Disorders. Journal of Veterinary Internal Medicine, 2012, 26, 1251-1266.	1.6	65
4	<scp>GO</scp>â€<scp>FAANG</scp> meeting: a Gathering On Functional Annotation of <scp>An</scp>imal Genomes. Animal Genetics, 2016, 47, 528-533.	1.7	65
5	Equine diseases caused by known genetic mutations. Veterinary Journal, 2009, 179, 336-347.	1.7	64
6	Seasonal pasture myopathy in horses in the midwestern United States: 14 cases (1998â€“2005). Journal of the American Veterinary Medical Association, 2006, 229, 1134-1141.	0.5	61
7	Prediction of histone post-translational modification patterns based on nascent transcription data. Nature Genetics, 2022, 54, 295-305.	21.4	53
8	Effect of oral administration of dantrolene sodium on serum creatine kinase activity after exercise in horses with recurrent exertional rhabdomyolysis. American Journal of Veterinary Research, 2004, 65, 74-79.	0.6	48
9	Evaluation of epidemiological, clinical, and pathological features of neuroaxonal dystrophy in Quarter Horses. Journal of the American Veterinary Medical Association, 2011, 239, 823-833.	0.5	48
10	Ten years of the horse reference genome: insights into equine biology, domestication and population dynamics in the postâ€genome era. Animal Genetics, 2019, 50, 569-597.	1.7	43
11	A missense mutation in MYH1 is associated with susceptibility to immune-mediated myositis in Quarter Horses. Skeletal Muscle, 2018, 8, 7.	4.2	35
12	Equine Degenerative Myeloencephalopathy in Lusitano Horses. Journal of Veterinary Internal Medicine, 2011, 25, 1439-1446.	1.6	34
13	Functionally Annotating Regulatory Elements in the Equine Genome Using Histone Mark ChIP-Seq. Genes, 2020, 11, 3.	2.4	34
14	DNA methylation aging and transcriptomic studies in horses. Nature Communications, 2022, 13, 40.	12.8	34
15	Transcriptome profiling of equine vitamin E deficient neuroaxonal dystrophy identifies upregulation of liver X receptor target genes. Free Radical Biology and Medicine, 2016, 101, 261-271.	2.9	33
16	Generation of an equine biobank to be used for Functional Annotation of Animal Genomes project. Animal Genetics, 2018, 49, 564-570.	1.7	33
17	Pedigree Analysis and Exclusion of Alphaâ€Tocopherol Transfer Protein (<scp>TTPA</scp>) as a Candidate Gene for Neuroaxonal Dystrophy in the American Quarter Horse. Journal of Veterinary Internal Medicine, 2013, 27, 177-185.	1.6	32
18	Identification of long non-coding RNA in the horse transcriptome. BMC Genomics, 2017, 18, 511.	2.8	30

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19	Suspected myofibrillar myopathy in Arabian horses with a history of exertional rhabdomyolysis. Equine Veterinary Journal, 2016, 48, 548-556.	1.7	29
20	Risk of false positive genetic associations in complex traits with underlying population structure: A case study. Veterinary Journal, 2014, 202, 543-549.	1.7	27
21	Applied equine genetics. Equine Veterinary Journal, 2014, 46, 538-544.	1.7	27
22	Blood and Cerebrospinal Fluid Î±â€Tocopherol and Selenium Concentrations in Neonatal Foals with Neuroaxonal Dystrophy. Journal of Veterinary Internal Medicine, 2015, 29, 1667-1675.	1.6	26
23	Evidence of the Primary Afferent Tracts Undergoing Neurodegeneration in Horses With Equine Degenerative Myeloencephalopathy Based on Calretinin Immunohistochemical Localization. Veterinary Pathology, 2016, 53, 77-86.	1.7	25
24	Epigenetic models developed for plains zebras predict age in domestic horses and endangered equids. Communications Biology, 2021, 4, 1412.	4.4	23
25	Streptococcus equimeningoencephalomyelitis in a foal. Journal of the American Veterinary Medical Association, 2006, 229, 721-724.	0.5	22
26	Clinical and histopathological features of myofibrillar myopathy in Warmblood horses. Equine Veterinary Journal, 2017, 49, 739-745.	1.7	22
27	Tissue resolved, gene structure refined equine transcriptome. BMC Genomics, 2017, 18, 103.	2.8	22
28	Effects of Blood Contamination of Cerebrospinal Fluid on Results of Indirect Fluorescent Antibody Tests for Detection of Antibodies againstSarcocystis NeuronaandNeospora Hughesi. Journal of Veterinary Diagnostic Investigation, 2007, 19, 286-289.	1.1	21
29	SERPINB11 Frameshift Variant Associated with Novel Hoof Specific Phenotype in Connemara Ponies. PLoS Genetics, 2015, 11, e1005122.	3.5	21
30	An E321G MYH1 mutation is strongly associated with nonexertional rhabdomyolysis in Quarter Horses. Journal of Veterinary Internal Medicine, 2018, 32, 1718-1725.	1.6	21
31	Single-Cell RNA-seq Reveals Profound Alterations in Mechanosensitive Dorsal Root Ganglion Neurons with Vitamin E Deficiency. IScience, 2019, 21, 720-735.	4.1	21
32	A Missense Mutation in the Vacuolar Protein Sorting 11 (VPS11) Gene Is Associated with Neuroaxonal Dystrophy in Rottweiler Dogs. G3: Genes, Genomes, Genetics, 2018, 8, 2773-2780.	1.8	19
33	An innate immune response and altered nuclear receptor activation defines the spinal cord transcriptome during alpha-tocopherol deficiency in Ttpa-null mice. Free Radical Biology and Medicine, 2018, 120, 289-302.	2.9	18
34	Equine Protozoal Myeloencephalitis Associated with Neosporosis in 3 Horses. Journal of Veterinary Internal Medicine, 2007, 21, 1405-1408.	1.6	16
35	Lipid peroxidation biomarkers for evaluating oxidative stress in equine neuroaxonal dystrophy. Journal of Veterinary Internal Medicine, 2018, 32, 1740-1747.	1.6	16
36	Concurrent Equine Degenerative Myeloencephalopathy and Equine Motor Neuron Disease in Three Young Horses. Journal of Veterinary Internal Medicine, 2016, 30, 1344-1350.	1.6	15

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37	Pigment retinopathy in warmblood horses with equine degenerative myeloencephalopathy and equine motor neuron disease. Veterinary Ophthalmology, 2017, 20, 304-309.	1.0	15
38	Proteome and transcriptome profiling of equine myofibrillar myopathy identifies diminished peroxiredoxin 6 and altered cysteine metabolic pathways. Physiological Genomics, 2018, 50, 1036-1050.	2.3	15
39	Prevalence of the E321G MYH1 variant for immuneâ€mediated myositis and nonexertional rhabdomyolysis in performance subgroups of American Quarter Horses. Journal of Veterinary Internal Medicine, 2019, 33, 897-901.	1.6	15
40	Major Histocompatibility Complex I and <scp>II</scp> Expression and Lymphocytic Subtypes in Muscle of Horses with Immuneâ€Mediated Myositis. Journal of Veterinary Internal Medicine, 2016, 30, 1313-1321.	1.6	14
41	Warmblood fragile foal syndrome type 1 mutation (PLOD1 c.2032G>A) is not associated with catastrophic breakdown and has a low allele frequency in the Thoroughbred breed. Equine Veterinary Journal, 2020, 52, 411-414.	1.7	14
42	Electrophysiological studies in American Quarter horses with neuroaxonal dystrophy. Veterinary Ophthalmology, 2012, 15, 3-7.	1.0	13
43	Deletion of 2.7Âkb near <scp>HOXD</scp>3 in an Arabian horse with occipitoatlantoaxial malformation. Animal Genetics, 2017, 48, 287-294.	1.7	13
44	Effects of feeding two <scp>RRR</scp>â€Î±â€tocopherol formulations on serum, cerebrospinal fluid and muscle Î±â€tocopherol concentrations in horses with subclinical vitamin E deficiency. Equine Veterinary Journal, 2017, 49, 753-758.	1.7	13
45	Investigation of Known Genetic Mutations of Arabian Horses in Egyptian Arabian Foals with Juvenile Idiopathic Epilepsy. Journal of Veterinary Internal Medicine, 2018, 32, 465-468.	1.6	13
46	Equine degenerative myeloencephalopathy: prevalence, impact, and management. Veterinary Medicine: Research and Reports, 2018, Volume 9, 63-67.	0.6	13
47	The tocopherol transfer protein mediates vitamin E trafficking between cerebellar astrocytes and neurons. Journal of Biological Chemistry, 2022, 298, 101712.	3.4	13
48	Myofibre Hyper-Contractility in Horses Expressing the Myosin Heavy Chain Myopathy Mutation, MYH1E321G. Cells, 2021, 10, 3428.	4.1	13
49	Coding sequences of sarcoplasmic reticulum calcium ATPase regulatory peptides and expression of calcium regulatory genes in recurrent exertional rhabdomyolysis. Journal of Veterinary Internal Medicine, 2019, 33, 933-941.	1.6	11
50	Serum and cerebrospinal fluid phosphorylated neurofilament heavy protein concentrations in equine neurodegenerative diseases. Equine Veterinary Journal, 2022, 54, 290-298.	1.7	11
51	Cerebellar Abiotrophy Across Domestic Species. Cerebellum, 2018, 17, 372-379.	2.5	10
52	Generation of a Biobank From Two Adult Thoroughbred Stallions for the Functional Annotation of Animal Genomes Initiative. Frontiers in Genetics, 2021, 12, 650305.	2.3	10
53	Equine protozoal myeloencephalitis due to Neospora hughesi and equine motor neuron disease in a mule. Veterinary Ophthalmology, 2010, 13, 259-265.	1.0	9
54	Effect of fitness on glucose, insulin and cortisol responses to diets varying in starch and fat content in Thoroughbred horses with recurrent exertional rhabdomyolysis. Equine Veterinary Journal, 2010, 42, 323-328.	1.7	9

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55	Variation in MUTYH expression in Arabian horses with Cerebellar Abiotrophy. Brain Research, 2018, 1678, 330-336.	2.2	9
56	Commercial genetic testing for type 2 polysaccharide storage myopathy and myofibrillar myopathy does not correspond to a histopathological diagnosis. Equine Veterinary Journal, 2021, 53, 690-700.	1.7	9
57	â€œAdopt-a-Tissueâ€•Initiative Advances Efforts to Identify Tissue-Specific Histone Marks in the Mare. Frontiers in Genetics, 2021, 12, 649959.	2.3	8
58	Successful ATAC-Seq From Snap-Frozen Equine Tissues. Frontiers in Genetics, 2021, 12, 641788.	2.3	8
59	Defining Trends in Global Gene Expression in Arabian Horses with Cerebellar Abiotrophy. Cerebellum, 2017, 16, 462-472.	2.5	7
60	Candidate gene expression and coding sequence variants in Warmblood horses with myofibrillar myopathy. Equine Veterinary Journal, 2021, 53, 306-315.	1.7	7
61	Increased Î±â€tocopherol metabolism in horses with equine neuroaxonal dystrophy. Journal of Veterinary Internal Medicine, 2021, 35, 2473-2485.	1.6	7
62	Current dorsal myelographic column and dural diameter reduction rules do not apply at the cervicothoracic junction in horses. Veterinary Radiology and Ultrasound, 2018, 59, 662-666.	0.9	6
63	Comparison of Poly-A+ Selection and rRNA Depletion in Detection of lncRNA in Two Equine Tissues Using RNA-seq. Non-coding RNA, 2020, 6, 32.	2.6	6
64	A nonsense variant in Rap Guanine Nucleotide Exchange Factor 5 (RAPGEF5) is associated with equine familial isolated hypoparathyroidism in Thoroughbred foals. PLoS Genetics, 2020, 16, e1009028.	3.5	6
65	Prevalence of clinical signs and factors impacting expression of myosin heavy chain myopathy in Quarter Horseâ€related breeds with the <scp>MYH1^{E321G}</scp> mutation. Journal of Veterinary Internal Medicine, 2022, 36, 1152-1159.	1.6	6
66	Nutritional and Non-nutritional Aspects of Forage. Veterinary Clinics of North America Equine Practice, 2021, 37, 43-61.	0.7	5
67	Decoding the Equine Genome: Lessons from ENCODE. Genes, 2021, 12, 1707.	2.4	5
68	Equine Protozoal Myeloencephalitis Associated with Neosporosis in 3 Horses. Journal of Veterinary Internal Medicine, 2007, 21, 1405.	1.6	5
69	Genome-Wide Association Study and Subsequent Exclusion of ATCAY as a Candidate Gene Involved in Equine Neuroaxonal Dystrophy Using Two Animal Models. Genes, 2020, 11, 82.	2.4	4
70	Postmortem diagnoses of spinal ataxia in 316 horses in California. Journal of the American Veterinary Medical Association, 2021, 258, 1386-1393.	0.5	4
71	Prevalence of the E321G MYH1 variant in Brazilian Quarter Horses. Equine Veterinary Journal, 2022, 54, 952-957.	1.7	4
72	Cisplatin Neurotoxicity Targets Specific Subpopulations and K+ Channels in Tyrosine-Hydroxylase Positive Dorsal Root Ganglia Neurons. Frontiers in Cellular Neuroscience, 2022, 16, 853035.	3.7	4

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73	Molecular Monitoring of EHV-1 in Silently Infected Performance Horses through Nasal and Environmental Sample Testing. Pathogens, 2022, 11, 720.	2.8	4
74	Cervical spondylosis deformans in two <scp>Q</scp>uarter <scp>H</scp>orses. Equine Veterinary Education, 2016, 28, 248-251.	0.6	3
75	TRIM39-RPP21 Variants (âˆ†19InsCCC) Are Not Associated with Juvenile Idiopathic Epilepsy in Egyptian Arabian Horses. Genes, 2019, 10, 816.	2.4	3
76	Genetics of Equine Neurologic Disease. Veterinary Clinics of North America Equine Practice, 2020, 36, 255-272.	0.7	3
77	Equine Genetic Diseases. Veterinary Clinics of North America Equine Practice, 2020, 36, xiii.	0.7	3
78	Metabolism, pharmacokinetics and selected pharmacodynamic effects of codeine following a single oral administration to horses. Veterinary Anaesthesia and Analgesia, 2020, 47, 694-704.	0.6	3
79	Functional phenotyping of the CYP2D6 probe drug codeine in the horse. BMC Veterinary Research, 2021, 17, 77.	1.9	3
80	Determination of vitamin E and its metabolites in equine urine using liquid chromatographyâ€“mass spectrometry. Drug Testing and Analysis, 2021, 13, 1158-1168.	2.6	3
81	Simultaneous quantification of vitamin E and vitamin E metabolites in equine plasma and serum using LC-MS/MS. Journal of Veterinary Diagnostic Investigation, 2021, 33, 506-515.	1.1	3
82	Veterinary Pet Supplements and Nutraceuticals. Nutrition Today, 2020, 55, 97-101.	1.0	3
83	Transcriptomic Markers of Recombinant Human Erythropoietin Micro-Dosing in Thoroughbred Horses. Genes, 2021, 12, 1874.	2.4	3
84	Impact of alphaâ€tocopherol deficiency and supplementation on sacrocaudalis and gluteal muscle fiber histopathology and morphology in horses. Journal of Veterinary Internal Medicine, 2019, 33, 2770-2779.	1.6	2
85	Safety and efficacy of subcutaneous alphaâ€tocopherol in healthy adult horses. Equine Veterinary Education, 2021, 33, 215-219.	0.6	2
86	Identification and characterization of the enzymes responsible for the metabolism of the nonâ€steroidal antiâ€inflammatory drugs, flunixin meglumine and phenylbutazone, in horses. Journal of Veterinary Pharmacology and Therapeutics, 2021, 44, 36-46.	1.3	2
87	Absence of myofibrillar myopathy in Quarter Horses with a histopathological diagnosis of type 2 polysaccharide storage myopathy and lack of association with commercial genetic tests. Equine Veterinary Journal, 2023, 55, 230-238.	1.7	2
88	Melanocortinâ€1 receptor influence in equine opioid sensitivity. Equine Veterinary Education, 2023, 35, 152-162.	0.6	2
89	Equine Neuroaxonal Dystrophy and Degenerative Myeloencephalopathy. Veterinary Clinics of North America Equine Practice, 2022, 38, 213-224.	0.7	2
90	Equine Neuroaxonal Dystrophy. , 2015, , 384-386.		1

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91	Bone formation transcripts dominate the differential gene expression profile in an equine osteoporotic condition associated with pulmonary silicosis. PLoS ONE, 2018, 13, e0197459.	2.5	1
92	Previously Identified Genetic Variants in ADGRL3 Are not Associated with Risk for Equine Degenerative Myeloencephalopathy across Breeds. Genes, 2019, 10, 681.	2.4	1
93	Sarcolipin Exhibits Abundant RNA Transcription and Minimal Protein Expression in Horse Gluteal Muscle. Veterinary Sciences, 2020, 7, 178.	1.7	1
94	Genetics of equine bleeding disorders. Equine Veterinary Journal, 2021, 53, 30-37.	1.7	1
95	Hoof wall separation disease: A review. Equine Veterinary Education, 0, , .	0.6	0
96	Genetic Tests for Large Animals. , 2020, , 1709-1716.e5.		0
97	Scienceâ€inâ€brief: Genomic and transcriptomic approaches to the investigation of equine diseases. Equine Veterinary Journal, 2022, 54, 444-448.	1.7	0